

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/008712

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08F10/00 C08F4/76 C08F4/78 C07F7/28 C07F9/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08F C07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 96/13529 A (DSM NV) 9 May 1996 (1996-05-09) claims 1,7	1-19
A	WO 02/070569 A (STICHTING DUTCH POLYMER INST (NL)) 12 September 2002 (2002-09-12) claims; examples	1-19
A	CA 2 243 726 A (NOVA CHEMICALS LTD) 21 January 2000 (2000-01-21) the whole document	1-19
	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

17 November 2004

Date of mailing of the international search report

29/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Elliott, A

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/008712

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>SIEMELING U ET AL: "Synthesis and structure of <math>\text{NbCl}_3\{\text{NPPh}_2(\text{C}_5\text{H}_4)_2\text{Fe}\}</math>!:</p> <p>The first structurally characterized complex containing a chelating di(phosphaneiminato) ligand"</p> <p>ZEITSCHRIFT FUER ANORGANISCHE UND ALLGEMEINE CHEMIE, VERLAG VON LEOPOLD VOSS, LEIPZIG, DE, vol. 626, no. 4, 2000, pages 825-826, XP002278805</p> <p>ISSN: 0044-2313</p> <p>the whole document</p>	13-17
A	<p>THORN M G ET AL: "Synthesis and Chemistry of Titanacyclopentane and Titanacyclopropane Ring Supported by Aryloxy Ligand"</p> <p>JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol. 119, 1997, pages 8630-8641, XP002278806</p> <p>ISSN: 0002-7863</p> <p>* compound 35 *</p>	13-17
A	<p>HILL J E ET AL: "Formation, fragmentation, and isomerization of azatitanacycle rings supported by aryloxy ligation"</p> <p>ORGANOMETALLICS, WASHINGTON, DC, US, vol. 11, 1992, pages 1775-1777, XP002278807</p> <p>ISSN: 0276-7333</p> <p>* scheme 1, compound 4 *</p>	13-17
A	<p>KATTI K V ET AL: "Synthesis and characterization of new heterocyclic compounds of tungsten, selenium, and tellurium"</p> <p>INORGANIC CHEMISTRY, AMERICAN CHEMICAL SOCIETY, EASTON, US, vol. 26, 1987, pages 814-816, XP002278808</p> <p>ISSN: 0020-1669</p> <p>* schemes 1 &amp; 2 *</p>	13-17

-/--

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/008712

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	ROESKY H W ET AL: "Wolframheterocyclen mit Phosphor, Schwefel und Stickstoff als Ringbausteine; Heterocycles containing tungsten, phosphorus, sulphur, and nitrogen in the ring skeleton" CHEMISCHE BERICHTE, VERLAG CHEMIE GMBH. WEINHEIM, DE, vol. 122, no. 1, 1989, pages 63-65, XP009029268 ISSN: 0009-2940 * compound 3 *	13-17
A	ROESKY H W ET AL: "Darstellung eines cyclischen Ferrocenderivates mit Wolfram(VI); Preparation of a cyclic ferrocene derivative of tungsten(VI)" ZEITSCHRIFT FUR NATURFORSCHUNG, TEIL B: ANORGANISCHE CHEMIE, ORGANISCHE CHEMIE, VERLAG DER ZEITSCHRIFT FUR NATURFORSCHUNG. TUBINGEN, DE, vol. 43, no. 2, 1988, pages 231-232, XP009029266 ISSN: 0932-0776 * compound 3 *	13-17

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/EP2004/008712

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9613529	A	09-05-1996	AT 164858 T	15-04-1998
			AU 3817595 A	23-05-1996
			BR 9509457 A	06-01-1998
			CA 2203879 A1	09-05-1996
			CN 1171794 A	28-01-1998
			DE 69502028 D1	14-05-1998
			DE 69502028 T2	10-12-1998
			EP 0789718 A1	20-08-1997
			ES 2116776 T3	16-07-1998
			FI 971823 A	27-06-1997
			JP 10508055 T	04-08-1998
			WO 9613529 A1	09-05-1996
			NO 971843 A	26-06-1997
			RU 2135522 C1	27-08-1999
			US 5986029 A	16-11-1999
WO 02070569	A	12-09-2002	AT 277092 T	15-10-2004
			CA 2439892 A1	12-09-2002
			DE 60201340 D1	28-10-2004
			EP 1373332 A1	02-01-2004
			JP 2004527608 T	09-09-2004
			WO 02070569 A1	12-09-2002
			US 2004192541 A1	30-09-2004
CA 2243726	A	21-01-2000	CA 2243726 A1	21-01-2000
			AT 228141 T	15-12-2002
			AU 4126399 A	14-02-2000
			BR 9912316 A	08-05-2001
			WO 0005236 A1	03-02-2000
			CN 1319103 T	24-10-2001
			DE 69904061 D1	02-01-2003
			DE 69904061 T2	17-07-2003
			EP 1112276 A1	04-07-2001
			ES 2187161 T3	16-05-2003
			JP 2002521500 T	16-07-2002
			US 6355744 B1	12-03-2002